

Neoperla mainensis (A Stonefly)

Priority 3 Species of Greatest Conservation Need (SGCN)

Class: *Insecta* (Insects)

Order: *Plecoptera* (Stoneflies)

Family: *Perlidae* (Golden Stoneflies)

General comments:

1 historic EO (1944; Kennebec Co.); globally rare (G2G3) with few other EOs [OH, IL (SX), ON (S1S2)]; inadequate survey effort and life history to assess status

Species Conservation Range Maps for A Stonefly:

Town Map: [Neoperla mainensis Towns.pdf](#)

Subwatershed Map: [Neoperla mainensis HUC12.pdf](#)

SGCN Priority Ranking - Designation Criteria:

Risk of Extirpation: NA

State Special Concern or NMFS Species of Concern:

Neoperla mainensis is listed as a species of Special Concern in Maine.

Recent Significant Declines: NA

Regional Endemic: NA

High Regional Conservation Priority:

NatureServe:

Global Rank: G2

High Climate Change Vulnerability: NA

Understudied rare taxa: NA

Historical:

Species currently listed as state (SH) or global (GH) historical (by MDIFW or NatureServe) that have some reasonable probability of rediscovery with further survey effort.

State Rank: SNR, Global Rank: G2G3, Rounded Global Rank: G2, MDIFW Historical: Yes

Culturally Significant: NA

Professional Discretion:

Current criteria ranked *Neoperla mainensis* as SGCN priority 2, however, species should be SGCN priority 3 based on professional discretion.

Justification:

data deficient/inadequate survey effort

Habitats Assigned to A Stonefly:

Formation Name	Boreal Upland Forest
Macrogroup Name	Boreal Upland Forest
Formation Name	Freshwater Aquatic
Macrogroup Name	Rivers and Streams
Formation Name	Northeastern Upland Forest
Macrogroup Name	Northern Hardwood & Conifer

Stressors Assigned to A Stonefly:

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No Stressors Currently Assigned to A Stonefly or other Priority 3 SGCN.

Species Level Conservation Actions Assigned to A Stonefly:

No Species Specific Conservation Actions Currently Assigned to A Stonefly or other Priority 3 SGCN.

Guild Level Conservation Actions:

This Species is currently not attributed to a guild.

Broad Taxonomic Group Conservation Actions:

Relevant conservation actions for this species are assigned within broader taxonomic groups in Maine's 2015 Wildlife Action Plan: Element 4, Table 4-1.

Habitat Based Conservation Actions:

Additional conservation actions that may benefit habitat(s) associated with this species can be found in Maine's 2015 Wildlife Action Plan: Element 4, Table 4-15. Click on the Habitat Grouping of interest to launch a habitat based report summarizing relevant conservation actions and associated SGCN.

The Wildlife Action Plan was developed through a lengthy participatory process with state agencies, targeted conservation partners, and the general public. The Plan is non-regulatory. The species, stressors, and voluntary conservation actions identified in the Plan complement, but do not replace, existing work programs and priorities by state agencies and partners.